NOVEMBER/DECEMBER 2023

FCA11/FCS11/FDA11/FAI11/CCA11/CCS11 — PROGRAMMING IN C

Time : Three hours Maximum : 75 marks

LIBRARY

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is an Identifier?

2. Define Symbolic Constant.

3. Write the syntax for 'if— else' statement.

4. Define Looping.

5. What is meant by function call?

6. Define unions.

7. Define Command line arguments.

8. Write the basic file commands.

9. Define Factoring methods.

10. Write the size of structure.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the relational operators with an example.

Or

(b) What are the mathematical functions available in C?

12. (a) Differentiate between break and continue statements.

Or

(b) What is the purpose of printf() and scanf() statements?

13. (a) Write a C Program to check whether the given number is palindrome or not.

Or

(b) List and explain unconditional statements in C with example.

14. (a) Explain the file management in C.

Or

(b) What is meant by call by value and call by reference?

LIBRARY

15. (a) Write a C program to find the factorial of a given number using recursion.

Or

(b) How can you compare two strings? Give Examples.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the following

(a) Nested structures

(b) Array of structures.

17. Write a C program to sort the given array elements in ascending order.

18. How data elements are stored under unions? Explain with example.

19. Explain the following file handling functions.

(a) fseek()

(b) ftell()

(c) rewind()

(d) feof().

20. Write a C Program to find out the greatest of three numbers.

———————